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PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Approved for use in design 10/31/2002, GPO: 2003-100-0001

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Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of 3

<i>Complete if Known</i>	
<b>Application Number</b>	09/784,866
<b>Filing Date</b>	February 15, 2001
<b>First Named Inventor</b>	Empedocles, Stephen A.
<b>Group Art Unit</b>	1645
<b>Examiner Name</b>	Not Yet Assigned
<b>Attorney Docket Number</b>	19916-003800

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
M	AA	Duggan, et al. "Expression Profiling Using cDNA Microarrays" <i>Nature Genetics Supplement</i> , 21:10-14 (01/1999)	<input type="checkbox"/>
	AB	Empedocles, et al., "Photoluminescence from single semiconductor nanostructures," <i>Adv. Mater.</i> , 11(15):1243-1256 (1999)	<input type="checkbox"/>
	AC	Empedocles, et al., "Detection and spectroscopy of single CdSe nanocrystallite quantum dots," <i>Dissertation Abstracts International</i> , 60(12):6163-B (6/2000)	<input type="checkbox"/>
	AD	Empedocles, et al., "Photoluminescence from single semiconductor nanostructures," Edited by Wang, Zhong Lin, <i>Charact. Nanophase Mater.</i> , pp. 261-287 (2000)	<input type="checkbox"/>
	AE	Empedocles, et al., "Spectral diffusion of ultra-narrow fluorescence spectra in single quantum dots," <i>Matter. Res. Soc. Symp. Proc.</i> , 452:335-340 (1997)	<input type="checkbox"/>
	AF	Empedocles, et al., "Influence of spectral diffusion on the line shapes of single CdSe nanocrystallite quantum dots," <i>J. Phys. Chem.</i> , 103:1826-1830 (B 1999)	<input type="checkbox"/>
	AG	Empedocles, et al., "Photoluminescence spectroscopy of single CdSe nanocrystallite quantum dots," <i>Physical Review Letters</i> , 77(18):3873-3876 (10/28/96)	<input type="checkbox"/>
	AH	Empedocles, et al., "Quantum-confined stark effect in single CdSe nanocrystallite quantum dots," <i>Science</i> , 287:2114-2117 (12/19/97)	<input type="checkbox"/>
	AI	Empedocles, et al., "Spectroscopy of single CdSe nanocrystalites," <i>Acc. Chem. Res.</i> , 32:389-396 (1999)	<input type="checkbox"/>
	AJ	Heidelberg, et al. "DNA sequence of both chromosomes of the cholera pathogen <i>vibrio cholerae</i> " <i>Nature</i> , Vol. 406 (08/2000)	<input type="checkbox"/>
	AK	Helgason, et al. "Bacillus anthracis, bacillus cereus, and bacillus thuringiensis - one species on the basis of genetic evidence" <i>Applied and Environmental Microbiology</i> , 66(6):2627-2630 (06/2000)	<input type="checkbox"/>
	AL	Koch, et al. "Optical flow-cell multichannel immunosensor for the detection of biological warfare agents" <i>Biosensors &amp; Bioelectronics</i> , 14:779-784 (06/2000)	<input type="checkbox"/>
	AM	Leatherdale, et al., "Photoconductivity in CdSe quantum dot solids," <i>Physical Review B: Condens. Matter Mater. Phys.</i> , 62(4):2669-2680 (07/15/00)	<input type="checkbox"/>
	AN	Leatherdale, et al., "Charge generation and transport in CsSe semiconductor quantum dot solids," <i>Mat. Res. Soc. Symp. Proc.</i> , 571:191-196 (2000)	<input type="checkbox"/>

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STATEMENT BY APPLICANT**

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Sheet

3 of 3

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First Named Inventor

Empedocles, Stephen A.

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M	AO	Lee, et al. "Rapid Detection and Identification of Biological and Chemical Agents by Immunoassay, Gene Probe Assay and Enzyme Inhibition Using a Silicon-based Biosensor" <i>Biosensors &amp; Bioelectronics</i> , 14:795-804 (2000)	
	AP	Mahtab, et al., "Preferential adsorption of a "kinked" DNA to a neutral curved surface: Comparisons to and implications for nonspecific DNA-protein interactions," <i>J. Am. Chem. Soc.</i> , 118:7028-7032 (1996)	
	AQ	Mattoussi, et al., "Self-assembly of CdSe-ZnS quantum dot bioconjugates using an engineered recombinant protein, <i>J. Am. Chem. Soc.</i> , 122:12142-12150 (2000)	
	AR	Neuhauser, et al., "Correlation between fluorescence intermittency and spectral diffusion in single semiconductor quantum dots, <i>Physical Review Letters</i> , 85(15):3301-3304 (10/09/00)	
	AS	Rogers, Kim, R. "Principles of Affinity-Based Biosensors" <i>Molecular Biotechnology</i> , 14:109-129 (2000)	
	AT	Shimizu, et al., "Stark spectroscopy investigation of spectral diffusion in single CdSe quantum dots," <i>Electrochemical Society Proceedings</i> , 98(19):280-285 (1999)	
M	AU	Yu, et al. "Detection of Biological Threat Agents by Immunomagnetic Microsphere-based Solid Phase Fluorogenic- and Electro-chemiluminescence" <i>Biosensors &amp; Bioelectronics</i> , 14: 829-840 (2000)	<input type="checkbox"/>
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